

**NR Eligible: yes** **X**  
**no**

**Date**

RECEIVED 5+1PC - MD

EO. 11593

AUG 15 1985

HA-2034

DETERMINATION OF ELIGIBILITY NOTIFICATION  
National Register of Historic Places  
National Park Service

MARYLAND HISTORICAL  
TRUST

**Name of property:** Building E-5032 (White Phosphorus Processing Plant)

**Location:** Aberdeen Proving Grounds, Hartford County

**State:** MD

**Request submitted by:** DOD/ARMY Kenneth P. Stachiw

**Date received:** 6/14/85

**Additional information received:** 8/2/85

**Opinion of the State Historic Preservation Officer:**

☒ Eligible

☐ Not Eligible

☐ No Response

**Comments:**

**The Secretary of the Interior has determined that this property is:**

☒ Eligible

**Applicable criteria:** A

☐ Not Eligible

**Comments:**

Built in 1918, this building is historically significant as a contributing element in a complex of buildings constructed to produce chemical weapons during World War I. Though none of the buildings retain the original machinery used in chemical production, they retain significance for historic association with the one, large-scale use of deadly poisonous weapons in modern warfare.

☐ Documentation insufficient

(Please see accompanying sheet explaining additional materials required)

*Patrick W. Andrews*  
for Keeper of the National Register  
Date: 8/7/85

# HABS/HAER INVENTORY

U.S. Department of the Interior  
National Park Service  
Washington, DC 20240

1. SITE ID NO		2. NAME(S) OF STRUCTURE Building #E5032 White Phosphorus Processing Plant		5. ORIGINAL USE White Phosphorus Processing Plant		7. CLASSIFICATION Military - Production		8. RATING 2	
3. SITE ADDRESS (STREET & NO) Aberdeen Proving Ground Edgewood Area Edgewood, Maryland		6. PRESENT USE White Phosphorus Processing Plant						10. DATE 1918	
4. CITY/VICINITY EDGEWOOD		COUNTY HARFORD		STATE MD.		8. UTM ZONE 18		EASTING 124	
						NORTHING 1025		11. REGION Mid-Atlant.	
						SCALE 1:24		QUAD NAME	
						OTHER			

12. OWNER/ADMIN ADDRESS  
United States Department of the Army Administrator DARCOM/TECOM

13. DESCRIPTION AND BACKGROUND HISTORY INCLUDING CONSTRUCTION DATE(S), PHYSICAL DIMENSIONS, MATERIALS, MAJOR ALTERATIONS, EXISTANT EQUIPMENT, AND IMPORTANT BUILDERS, ARCHITECTS, ENGINEERS, ETC.

Concrete foundation; steel frame, corrugated metal walls, some brick. Rectangular, 54'-6" x 76'-2" with offset, 12'-3" x 49'-6". One story. Corrugated metal gable monitor roof. One set of double wood side hinged doors, double wood and glass panel doors; band of wood framed two-over-two-light double hung sash windows. Metal shafts at end of building. Roof ridge runs northeast by southwest, located off Magnolia Road. Altered 1943 and 1944, Chemical Warfare Service, architects.

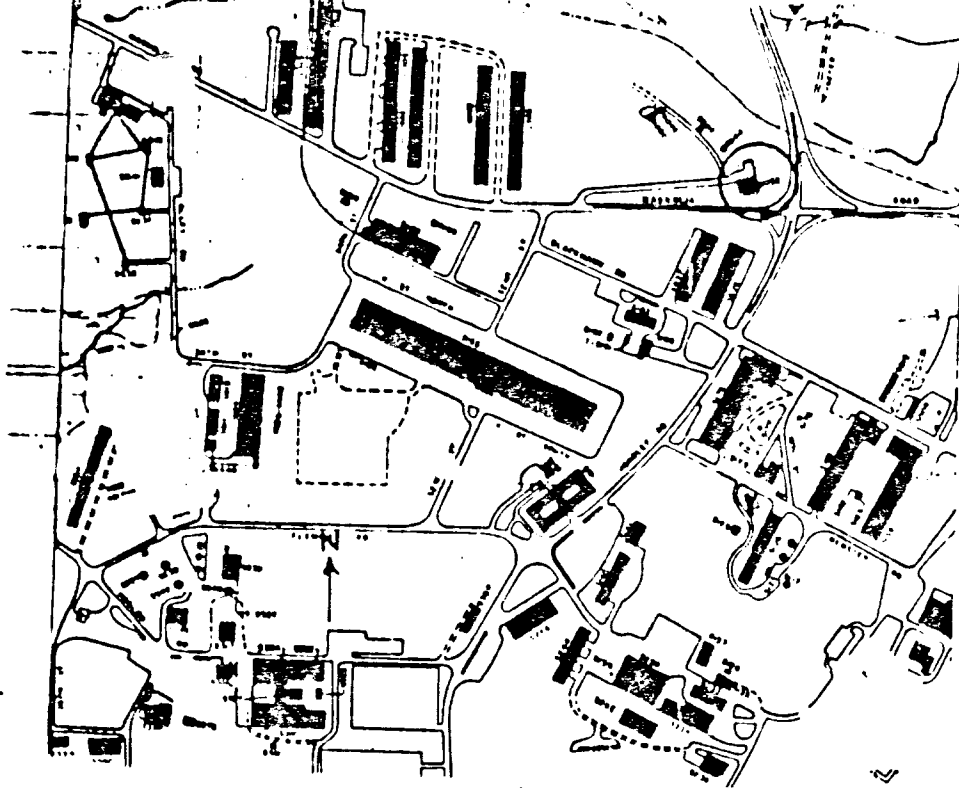
14. CONDITION ☐ EXCELLENT ☐ GOOD ☒ FAIR ☐ DETERIORATED ☐ RUINS

15. DANGER OF DEMOLITION? (SPECIFY THREAT) ☐ YES ☒ NO ☐ UNKNOWN

16. SIGNIFICANCE

Originally built in 1918, these buildings represent the response of the United States to the use of chemical weapons during World War I. These structures are the remainders of the largest chemical manufacturing complex built in the United States and are critical to the understanding of the role of chemical warfare in U.S. military history. However, little, if any, original machinery exists in place. This building housed the production of white phosphorous used in filling hand grenades.

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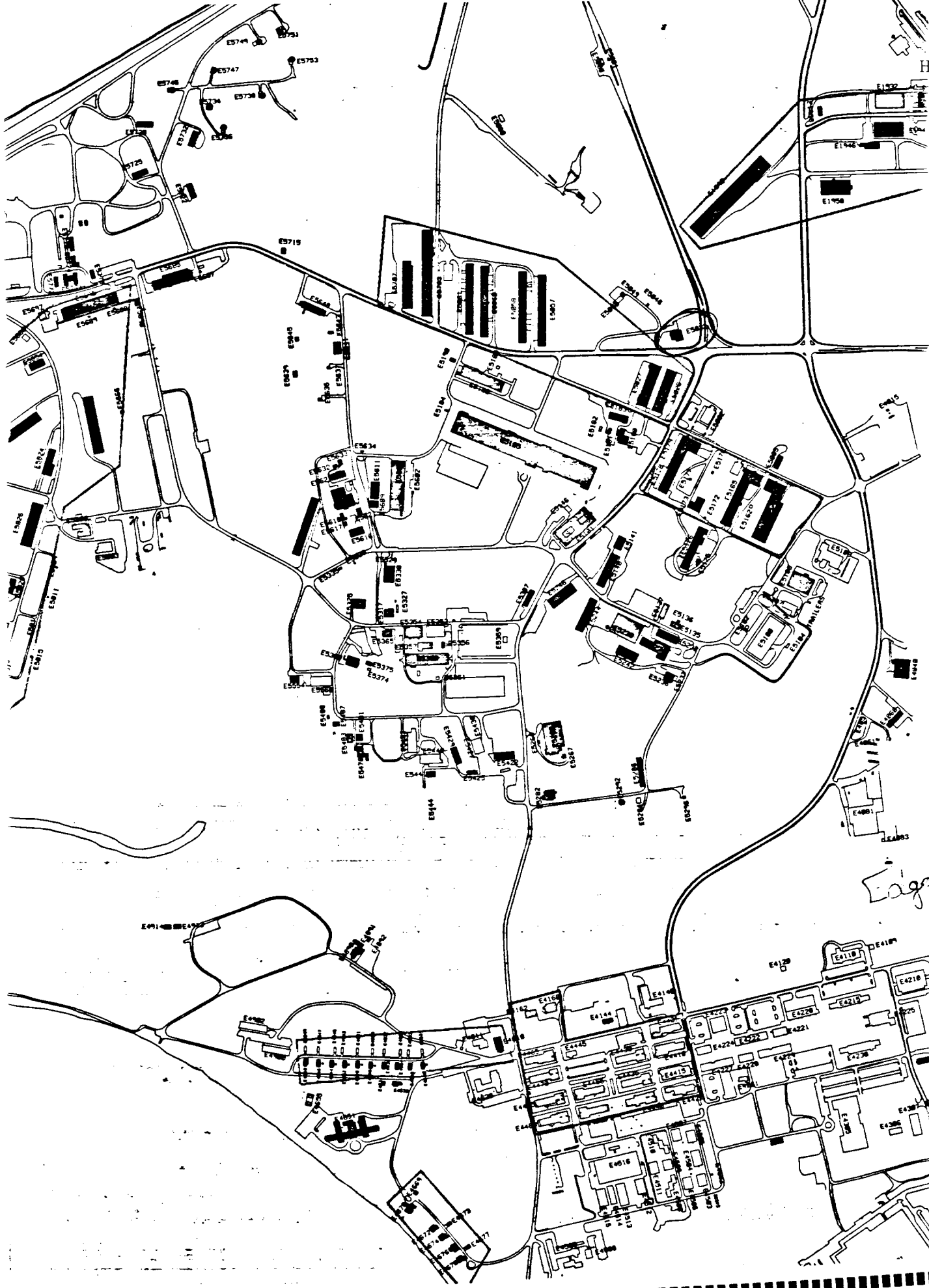
PHOTOGRAPH NOT PERMITTED

18. LOCATED IN AN HISTORIC DISTRICT? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NAME		20. EXISTING SURVEYS <input type="checkbox"/> NR <input type="checkbox"/> NHL <input type="checkbox"/> HABS <input type="checkbox"/> HAER-1 <input type="checkbox"/> HAER <input type="checkbox"/> NPS <input type="checkbox"/> STATE	
19. PUBLIC ACCESSIBILITY <input type="checkbox"/> YES, LIMITED <input checked="" type="checkbox"/> YES, UNLIMITED <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN		<input type="checkbox"/> COUNTY <input type="checkbox"/> LOCAL <input type="checkbox"/> OTHER	
21. REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER			

APG Real Property Records, Real Estate Offices, APG

Architectural Drawing: MR #25150, drawing #6297-3504B, dated 16 August 1943

22. INVENTORIED BY Katherine Grandine	AFFILIATION Historic American Buildings Survey	DATE August 1982
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HA- 2034  
Building E-5032  
White Phosphorus Processing Plant  
Aberdeen Proving Grounds  
Harford County  
Edgewood Quad

